



# Rohan Modi

Roll No.:180123039

Mathematics and Computing

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	Indian Institute of Technology, Guwahati	8.09 (Current)	2018-Present
Senior Secondary	ISC	92.2%	2018
Secondary	ICSE	92.5%	2016

## EXPERIENCE

- Myntra** May. 2021 - Jul. 2021  
*Software Development Intern* Remote
  - Integrated **Auditing System** with the Logistics Management System for scrutinizing key configs.
  - Developed a **Dashboard UI** for monitoring audits based on EntityId and Time-Frame.
- Agrivision4u** Dec. 2020 - Apr. 2021  
*Backend Development Intern* Remote
  - Designed and deployed the **exam portal** leading a team of six developers.
  - Successfully conducted **All India Test** with more than 1000 participants.

## PROJECTS

- Research Project - Location Privacy** Jun. 2021 - Aug. 2021  
*Dr. Ashok Singh Sairam, Dept. of Mathematics* Google Colab
  - Implemented **Semi Convex Hull Tree** and **Circular Trip algorithms** for obtaining **nearest neighbours** in n-dimensional space.
  - Analysed the performance of the algorithms based on various parameters including time, space and input data.
- Examination Website** Feb. 2020 - Mar. 2020  
*Personal Project* git.io/JCLRK
  - Built an exam portal for MCQs and numeric questions using **PHP** and **MySQL**, supporting multiple roles.
  - Features include result analysis (leaderboard and question wise analysis) and flagging questions during exam.
- URL Shortener** Oct. 2020  
*Personal Project* git.io/Ju7p0
  - Developed a **Chrome extension** for shortening URLs using a third-party API.
  - Designed to reduce the hassle of switching tabs to minimise the URLs.
- Sudoku Solver** Dec. 2019  
*Personal Project* git.io/JJ8me
  - Created a graphical interface based on **Pygame** library and **backtracking algorithm** to solve Sudoku.
  - Sudokus are fetched using **BeautifulSoup** library based on user requirements.

## TECHNICAL SKILLS

- Programming:** C/C++, Python, MATLAB, Java\*
- Web Technologies:** HTML, Javascript, PHP, CSS, Bootstrap
- Database Management:** MySQL
- Python Modules:** Numpy, Matplotlib, BeautifulSoup, Pygame
- Operating Systems:** Linux, Windows

\* Elementary proficiency

## KEY COURSES TAKEN

- Data Structures and Algorithms
- Computer Organisation and Architecture
- Computational Geometry
- Operating Systems
- Computer Networks
- Database Management System

## POSITIONS OF RESPONSIBILITY

- Event Manager, Technical Board, IIT Guwahati** Apr. 2019 - Apr. 2020
  - Coordinated the events conducted by the clubs and seminars held by the Technical Board.
  - Organized college events including KRITI(Inter-Hostel competition) and TechEvince(Projects Showcasing).

## EXTRACURRICULAR

- Inter-IIT Tech Meet Roorkee, 2019:** Member of the Inter-IIT Tech Meet contingent.
- Competitive Programming Platforms:** Achieved Max rating of **2025** on **CodeChef(rohan9331)**.
- Spardha 2020:** Secured 3rd position in the Inter-Hostel Table Tennis competition.
- Ryan Star Award:** Felicitated for 10-years of all-round excellence in school.